

2006 Outfall 001 Effluent Chemistry Data  
Shell Distribution Terminal  
Seattle, Washington

Month	Date Sampled	Date Sampled		Monthly Estimated Flow (gallons)				pH	TSS (ppm)	Oil & Grease (ppm)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	BTEX (ppb)	TPH-G (ppb)	Zinc (ppb)	Lead (ppb)	Copper (ppb)
		Estimated Flow (gal)	Type	Load Rack	Stormwater	Groundwater	Total												
January-06	January 5, 2006	96,148	Stormwater, process water	34,533	1,104,736	0	1,139,269	7.40	< 4.0	< 4.9	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	60	< 50	< 10
February-06	February 14, 2006	2,215	Stormwater, process water	26,661	92,036	0	118,697	7.45	< 4.0	< 4.8	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	45	< 50	< 10
March-06	March 8, 2006	54,635	Stormwater, process water	14,091	83,868	50	98,009	7.32	< 4.0	< 4.85	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	44	< 50	< 10
April-06	April 14, 2006	16,848	Stormwater, process water	8,772	111,043	0	119,815	7.30	< 4.0	< 4.95	3.62	1.15	< 0.5	2.87	7.6	< 50	57	< 50	< 10
May-06	May 22, 2006	9,246	Stormwater, process water	10,440	34,695	0	45,135	6.98	7.5	< 4.85	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	49	< 50	10.3
June-06	June 1, 2006	57,121	Stormwater, process water	13,351	113,447	50	126,848	7.11	< 4.0	< 5.0	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	46	< 50	10.6
July-06	July 31, 2006	Not sampled due to lack of rainfall/runoff																	
August-06	August 31, 2006	Not sampled due to lack of rainfall/runoff																	
September-06	September 14, 2006	10,091	Stormwater, process water	5,018	59,417	50	64,485	6.93	< 4.0	< 5.05	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	151	< 50	14.4
October-06	October 15, 2006	24,922	Stormwater, process water	5,315	55,667	0	60,982	6.91	< 4.0	< 4.9	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	65	< 50	< 10
November-06	November 2, 2006	60,726	Stormwater, process water	64,935	1,375,040	0	1,439,975	7.14	5.0	< 5.05	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	38	< 50	< 10
December-06	December 14, 2006	237,854	Stormwater, process water	40,988	785,388	50	826,426	6.65	< 4.0	< 4.85	< 0.5	< 0.5	< 0.5	< 1.0	ND	< 50	38	< 50	< 10
Annual Totals:				224,104	3,815,339	200	4,039,643												
Notes: <sup>a</sup> Sample collected April 14, 2006, also analyzed for VOCs, SVOCs, PCBs, metals, and total cyanide by EPA Methods 624, 625, 608, 200, and 335.2, respectively. No constituents were detected in the additional analyses but those shown in this table. All samples analyzed by North Creek Analytical (now Test America), Bothell, Washington.																			

**2006 Outfall 002 Effluent Chemistry Data**  
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Month	Date Sampled	Estimated Flow On Day Sampled (gal)	Flow Type	Monthly Stormwater Flow (gallons)	pH	Oil & Grease (ppm)
January-06	January 5, 2006	36,844	Stormwater	432,353	6.87	< 4.90
February-06	February 14, 2006	503	Stormwater	36,630	7.06	< 4.76
March-06	March 8, 2006	21,411	Stormwater	33,241	7.17	< 5.43
April-06	April 14, 2006	6,586	Stormwater	42,777	7.21	< 5.21
May-06	May 22, 2006	3,578	Stormwater	13,826	7.52	< 4.85
June-06	June 1, 2006	22,378	Stormwater	45,001	7.17	< 5.05
July-06	July 31, 2006	Not sampled due to lack of rainfall/runoff				
August-06	August 31, 2006	Not sampled due to lack of rainfall/runoff				
September-06	September 14, 2006	3,930	Stormwater	23,677	6.66	< 5.00
October-06	October 15, 2006	9,907	Stormwater	17,151	6.75	< 4.81
November-06	November 2, 2006	23,839	Stormwater	534,152	6.86	< 5.26
December-06	December 14, 2006	90,144	Stormwater	304,650	6.82	< 4.81
Total Annual Flow:				1,483,458		
Note: All samples analyzed by North Creek Analytical (now Test America), Bothell, Washington.						